

Accident / Incident Report Closed



Unit/Department	Process Area	Site	Report Number
South Operation-Elyria		ELYRIA	0084-SOPS-13-0145
Report Date	Incident Date	Incident Time	Copied From
09/23/2013	09/23/2013	08:00 PM	
Incident Location		Team Leader / Supervisor	Reported By
Building 31 on first floor.		Dennis Lucas	Thomas Kurucz
Title of Event (Limit to 90 characters)		Category	Division / Bus. Group / Subgroup Code
Detection of NOx on first floor of Building 31.		<input type="checkbox"/> Safety & Health <input type="checkbox"/> Environmental	CC / G-CCP

Incident Classification

<input type="checkbox"/> Near Miss	<input type="checkbox"/> Property Loss	<input type="checkbox"/> Contractor
<input type="checkbox"/> Process Safety	<input type="checkbox"/> Citation / NOV	<input type="checkbox"/> Contractor Injury / Illness
<input type="checkbox"/> Injury / Illness	<input type="checkbox"/> Health Exposure	<input type="checkbox"/> Contract Injury / Illness
<input checked="" type="checkbox"/> Spill / Release	<input type="checkbox"/> Inspection	<input type="checkbox"/> PSM
<input type="checkbox"/> Permit / Regulatory Deviation	<input type="checkbox"/> Major Incident	<input type="checkbox"/> Plant Upset
<input type="checkbox"/> Fire	<input type="checkbox"/> Non-Occupational	<input type="checkbox"/> EHS Management System Failure
<input type="checkbox"/> Odor Complaint	<input type="checkbox"/> RMP	<input type="checkbox"/> Other

Describe Event / What Happened

After we discovered end plate of #1 RC was improperly installed, Tom Kurucz looked at the end plate of #2 RC. It was also improperly installed with gaps and the bolts were in but not tight. There was a constant NOx release of 2.9.

Immediate Corrective Action or Response

We stopped the feed, closed the slide gate, then started to bring temperatures down so that the back plate could be properly reinstalled.

Immediate Cause

Improper installation of back plate on #2 RC.

Spill Release Type(s)		Non RQ Spill / Release						
Chemical(s) Involved	CAS #	Phy. State	Air	Land	Water	Contmt	Units	
Nitrogen Dioxide (NOx)	10102-44-0	Gas	.9	0	0	0	lbs	
Disposition of Material	Disperse in air							
Weather Conditions	Skies:	Temperature:	Wind Direction:	Wind Speed:				

Cause Narrative

Plate was improperly installed allowing NOx to escape from the calciner.

Contributing Causes	Root/Primary Causes		
Operator did not take the time to properly install the plate on the calciner.	208 - Personal Performance	208 - Personal Performance	208 - Personal Performance
No procedure exists for job start-up which includes walking the line to ensure proper job set-up.	111 - Procedures	112 - Not Used	116 - No Procedure for Task
Current JSP does not address removing and replacing the back plate on the calciner.	111 - Procedures	130 - Wrong/Incomplete	136 - Incomplete/Situation Not Covered

Explanation of Root Causes

111/112/116 - Walking the line prior to starting the calciner would have identified issue with improperly installed plate. No procedure exists for checking the line prior to start-up.

111/130/136 - Current JSP for cleaning out the calciner does not include removing or replacing the plates. It also does not reference inspecting the calciner after cleaning.

Any known or potential off-site impacts?	No	PSM Incident?	No	Estimated Cost:	100.00 USD
Investigation Team	Justin Quach; Gregory A Menz; Dennis Lucas; Thomas Kurucz; William Grodecki; Jennifer Bailey				

Item	Corrective Action(s) to prevent recurrence	Responsible Person	Target Date	Final Closed Date	VC Req	VE Req
1	C: Modify existing JSP to include removing, replacing, and inspecting back plate on calciner.	Thomas Kurucz/BASF-CATALYSTS/BASF	12/31/2013	06/26/2014	N	N
2	C: Assist J. Bodmann in developing a job start-up (walking the line) checklist. Refer to action item from AIM - SOPS -161	Thomas Kurucz/BASF-CATALYSTS/BASF	11/30/2013	03/03/2014	N	N
3	C: 5S of calciner area	Jennifer Bailey/BASF-CATALYSTS/BASF	06/30/2014	06/23/2014	N	N

Approved By:	
Manager / Dept. Head	Leon Zavodnik 11/20/2013 07:32 AM
EHS Unit Coordinator	Jason M Therrien 10/31/2013 01:55 PM
Employee	Dennis Lucas 07/16/2014 06:21 AM